

Title (en)

Elastic forming die, method of manufacturing the same, and process for moulding a product by using the elastic forming die.

Title (de)

Elastische Form-Matrize, Verfahren zum Herstellen der Form-Matrize, und Verfahren zum Formen eines Produktes durch Verwendung der elastischen Form-Matrize.

Title (fr)

Matrice de moulage élastique, procédé de fabrication de la moulage, et procédé de moulage d'un produit par utilisation de la matrice de moulage.

Publication

EP 0429853 B1 19940824 (EN)

Application

EP 90120372 A 19901024

Priority

- JP 28037389 A 19891027
- JP 29304089 A 19891110

Abstract (en)

[origin: EP0429853A2] An elastic forming die (2) with an aperture section through which a molding material is charged, comprising a main mold section in membrane form which acts as a female mold for the molded product; a conical section (12) in membrane form which is connected to the aperture section and expands outwardly in the shape of a cone; and an aperture roll section (13) provided at the outer peripheral edge of the cone section, and a method for manufacturing this elastic forming die. Because the elastic forming die is provided with the conical section which is connected to the aperture section and expands outwardly, the release of the molded product from the mold is extremely easy and the elastic forming die can be used to manufacture molded products such as chocolate, jelly, and the like. The molding method using the elastic forming die features the release of the molded product utilizing said cone section.

IPC 1-7

A23G 1/22; **A23G 1/28**; **A23G 3/02**; **B29C 41/14**; **B29C 41/42**

IPC 8 full level

A23G 1/22 (2006.01); **A23G 1/28** (2006.01); **A23G 3/02** (2006.01); **B29C 33/50** (2006.01); **B29C 37/00** (2006.01); **B29C 41/40** (2006.01); **B29C 41/14** (2006.01)

CPC (source: EP US)

A23G 1/226 (2013.01 - EP US); **A23G 1/28** (2013.01 - EP US); **A23G 3/0273** (2013.01 - EP US); **B29C 33/50** (2013.01 - EP US); **B29C 37/0017** (2013.01 - EP US); **B29C 41/40** (2013.01 - EP US); **B29C 41/14** (2013.01 - EP US); **Y10S 425/044** (2013.01 - EP US)

Cited by

EP0548814A1; EP0545051A1; EP0519372A3; US5332190A; EP3695730A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0429853 A2 19910605; **EP 0429853 A3 19910925**; **EP 0429853 B1 19940824**; DE 69011819 D1 19940929; DE 69011819 T2 19950309; US 5154937 A 19921013

DOCDB simple family (application)

EP 90120372 A 19901024; DE 69011819 T 19901024; US 60362790 A 19901026